Structure For Limiting Movements Of The Leg-Piece Of A Motorcycle Boot

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Field of the Invention

The present invention relates to a structure intended for restricting the movements in the main directions, i.e. longitudinal, rotary and torsional directions, of the leg-piece of an a boot with respect to the axis of an associated heel-piece in order to protect a motorcyclist's lower limbs.

Background of the Invention

The dangers of severe injuries deriving from accidental impacts and falls are well known by people who practise motorcycling. The injuries can often involve the lower limbs, in particular the feet, and result from seemingly trivial manoeuvres or accidents, like setting a foot on the ground while the vehicle is travelling at high speed. In these circumstances the foot is subjected to severe stresses and, if it were not protected, quite severe consequences, such as fractures or other damages to the bones, and tearing of the Achilles tendon or of the ligaments in the region of malleoli would take place.

A need therefore exist of preventing, or at least limiting as far as possible, the said injuries which is satisfied by conventional boots comprising a rigid shell, enclosing the foot, and a leg-piece which is also rigid - enclosing the leg and hinged on the shell. During an accident these parts are obviously positioned between the limb to be protected and the obstacles encountered with the result of dampening the impacts and deflecting their action.

Even if motorcycle boots of this type are already available which greatly limit the possibility of bone fractures in the leg and foot and, when they are designed so as to surround at a sufficient extent the limb, are suitable for the protection against excessive torsional angles, no structure is presently available which is capable of restricting certain

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